

*Sub E*  
*cont*

same sequence in the complementary anti-sense strand and all primers having similar melt characteristics;

annealing the at least three pairs of primers to their complementary sequences;

simultaneously extending said annealed primers from each primer's 3' terminus to synthesize an extension product complementary to the strands annealed to each primer, said extension products, after separation from their complement, serving as templates for the synthesis of an extension product from the other primer of each pair, wherein the extending step includes the condition selected from the group consisting of increased enzyme, increased extension times and combination thereof, and wherein said increase is effective to simultaneously extend all the primers;

separating said extension products from said templates to produce single-stranded molecules;

amplifying said single stranded molecules by repeating, at least once, said annealing, extending and separating steps; and

identifying said amplified extension products from each different sequence.

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#### REMARKS

Claims 1-8 are pending in the application. Claim 1 has been amended. No new matter was introduced. Support for the amendments is described in the previous response of April 18, 1991 and can be found on page 16 and 17 of the Specification.

One skilled in the art will readily recognize that the similar melt characteristics as disclosed on page 16 can result from adjusting the GC base